

	library 1	library 1 replicate	library 2	library 3
H17-L19 0.5 $\mu\text{g/ml}$	2.1%	2.5%	4.9%	5.4%
H17-L19 1 $\mu\text{g/ml}$	0.7%	0.7%	1.9%	1.8%
H17-L19 10 $\mu\text{g/ml}$	0.3%	0.2%	0.4%	0.4%
H17-L10 3 $\mu\text{g/ml}$	0.2%		0.2%	0.2%
H17-L7 15 $\mu\text{g/ml}$	0.2%		0.1%	0.1%
H18-S415 3 $\mu\text{g/ml}$	0.2%		0.1%	0.2%

S1 Table: Percentage of each mutant virus library remaining infectious after antibody neutralization in each replicate selection experiment. Percent infectivity was measured by qRT-PCR of the influenza nucleoprotein gene and interpolated from a standard curve of infection prepared with serial dilutions of each virus library.